

000364



Dart Aerospace Ltd.
1270 Aberdeen St
Hawkesbury, ON
K6A 1K7
Canada

Tel (613) 632-5200

D350-764-011
Job Sheet 171365



Part No: D350-764-011

Job Qty: 1 ea

Part Name: Rear Seat Shoulder Harness



Part Weight: 0 lbs

Status: Scheduled

Priority: Medium

Job Created: 1/31/18

Job Tracking No:

Due Date: 2/22/18

Created By: Linda Lacelle

Type: SOLD

Description:

Note: DWG REV B IPP REV:A New issue 07-10-11 DD verified by EC IPP Rev:B ECN 1050 rev.B as per dwg 08-01-10 DD

Ship Via:

Bill of Materials

Job Routing

Op No	Operation	Qty	Start Date	Due Date	Standard		Workcenter/Supplier		Lead Time	Sign-off
					Setup hrs	Run Hrs	Workcenter / Supplier			
90	Start up Operation	1 Ea		2/22/18	0.00	0.00	Start Up Stores/Pkg-1			FEB 22 2018
110	Packaging	1 pcs		2/22/18	0.00	0.00	Packaging1-3			FEB 22 2018
120	QC	1 pcs		2/22/18	0.00	0.00	QC4			SMB
125	DC	1 pcs		2/22/18	0.00	0.00	DC			SMB
130	Packaging	1 pcs		2/22/18	0.00	0.00	Packaging3-1			SMB
140	QC21-FG	1 Ea		2/22/18	0.00	0.00	QC21			AK 18-7-1

DAS
21
9-80

MAR 05 2018

DQA: _____ Date: _____

WORK ORDER NON-CONFORMANCE / UPDATE



QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____ Date : _____	DISPOSITION Rework ☐ Scrap ☐	AGAINST DEPARTMENT/PROCESS <table style="width:100%;"> <tr> <td>Skid-tube ☐</td> <td>Cross tube ☐</td> <td>Water Jet ☐</td> <td>Engineering ☐</td> </tr> <tr> <td>Machining ☐</td> <td>Small Fab ☐</td> <td>Prod. Eng. Coord. ☐</td> <td>Quality ☐</td> </tr> <tr> <td>Thermoforming ☐</td> <td>Finishing ☐</td> <td>Rec/Store/Packaging ☐</td> <td>Other ☐</td> </tr> <tr> <td>Large Fab ☐</td> <td>Composite ☐</td> <td>Supplier ☐</td> <td></td> </tr> </table>			Skid-tube ☐	Cross tube ☐	Water Jet ☐	Engineering ☐	Machining ☐	Small Fab ☐	Prod. Eng. Coord. ☐	Quality ☐	Thermoforming ☐	Finishing ☐	Rec/Store/Packaging ☐	Other ☐	Large Fab ☐	Composite ☐	Supplier ☐																										
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S038393 Rear Seat Shoulder Harness PART NO: D350-764-011 Original Serial #: S038393 Revision: Operation: Change No: Start up Operation CHG002 Operation 02/02/18 Job No: 171365		MRB (QSI042) Approval _____ Completed By _____ Lead hand / Supervisor Approval Verification _____ QC / QA Coordinator Approval _____																																											
Root Cause <table style="width:100%;"> <tr><td>Environment ☐</td><td>No Re-verification ☐</td></tr> <tr><td>Design ☐</td><td>Operator ☐</td></tr> <tr><td>Doc/Data ☐</td><td>Offset/Setup ☐</td></tr> <tr><td>Equip/Tooling ☐</td><td>Supplier ☐</td></tr> <tr><td>Handling/Pre ☐</td><td>Training ☐</td></tr> <tr><td>Material ☐</td><td>Use for Testing ☐</td></tr> <tr><td>Internal Transport ☐</td><td>Poor Information ☐</td></tr> <tr><td>Tribal Knowledge ☐</td><td>Rushing ☐</td></tr> <tr><td>LOA ☐</td><td>Product Improvement ☐</td></tr> <tr><td>Substation ☐</td><td>Process Improvement ☐</td></tr> <tr><td>Past Expiry Date ☐</td><td>Manufacturing Process ☐</td></tr> <tr><td>Misidentified ☐</td><td>Past Due ☐</td></tr> </table>		Environment ☐	No Re-verification ☐	Design ☐	Operator ☐	Doc/Data ☐	Offset/Setup ☐	Equip/Tooling ☐	Supplier ☐	Handling/Pre ☐	Training ☐	Material ☐	Use for Testing ☐	Internal Transport ☐	Poor Information ☐	Tribal Knowledge ☐	Rushing ☐	LOA ☐	Product Improvement ☐	Substation ☐	Process Improvement ☐	Past Expiry Date ☐	Manufacturing Process ☐	Misidentified ☐	Past Due ☐	<table style="width:100%;"> <tr><td>☐ Bending</td><td>☐ Broken/...</td></tr> <tr><td>☐ Centre Not Concentric</td><td>☐ Inspection Incomplete/Unclarified</td></tr> <tr><td>☐ Cracks</td><td>☐ Contamination</td></tr> <tr><td>☐ Crimp/Kink/Ripple/Wave</td><td>☐ Countersink</td></tr> <tr><td>☐ Cuffs</td><td>☐ Cut Too Short</td></tr> <tr><td>☐ Crushing</td><td>☐ Instructions Incomplete/Unclarified</td></tr> <tr><td>☐ Heat Treat</td><td>☐ Drill Holes</td></tr> <tr><td>☐ Wave/Twist in Tube</td><td></td></tr> <tr><td>☐ Marks/Chatter</td><td></td></tr> </table>		☐ Bending	☐ Broken/...	☐ Centre Not Concentric	☐ Inspection Incomplete/Unclarified	☐ Cracks	☐ Contamination	☐ Crimp/Kink/Ripple/Wave	☐ Countersink	☐ Cuffs	☐ Cut Too Short	☐ Crushing	☐ Instructions Incomplete/Unclarified	☐ Heat Treat	☐ Drill Holes	☐ Wave/Twist in Tube		☐ Marks/Chatter	
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OTHER : _____		OTHER : _____																																											

Job BOM

Part / Item	Component Name	Quantity	Operation	Container
ALS4-1032-130	Rivnut	16 Ea (16 ea)	90-Start up Operation	
AN3-3A	Bolt	32 Ea (32 ea)	90-Start up Operation	
AN3-6A	Bolt	16 Ea (16 ea)	90-Start up Operation	
AN4-10A	Bolt	4 Ea (4 ea)	90-Start up Operation	
AN970-6	Washer	4 Ea (4 ea)	90-Start up Operation	
CCR264SS3-3	Cherry Rivet	16 Ea (16 ea)	90-Start up Operation	
CR3212-4-2	Cherry Rivet	4 Ea (4 ea)	90-Start up Operation	
CR3212-5-04	Rivet	4 Ea (4 ea)	90-Start up Operation	
CR3212-5-07	Rivet	4 Ea (4 ea)	90-Start up Operation	
D2854	3/4" Velcro Strip	2.6660 ft (2.666 ea)	90-Start up Operation	
D3578-041	Doubler	16 Ea (16 ea)	90-Start up Operation	
D3636-041	Shoulder Harness	4 Ea (4 ea)	90-Start up Operation	
D3637-041	Bracket Assembly	4 Ea (4 ea)	90-Start up Operation	
D3637-3	Bracket	4 Ea (4 ea)	90-Start up Operation	
D3638-1	Bushing	4 Ea (4 ea)	90-Start up Operation	
D3639-1	Doubler	1 Ea (1 ea)	90-Start up Operation	
D3639-2	Doubler	1 Ea (1 ea)	90-Start up Operation	
D3639-3	Doubler	1 Ea (1 ea)	90-Start up Operation	
D3639-4	Doubler	1 Ea (1 ea)	90-Start up Operation	
D3640-1	Belt Guide	2 Ea (2 ea)	90-Start up Operation	
D3640-3	Belt Guide	2 Ea (2 ea)	90-Start up Operation	
D3641-1	Cover	2 Ea (2 ea)	90-Start up Operation	
D3641-3	Cover	1 Ea (1 ea)	90-Start up Operation	
D3641-4	Cover RH	1 Ea (1 ea)	90-Start up Operation	
D3642-1	Doubler	2 Ea (2 ea)	90-Start up Operation	
D3643-1	Stiffener	1 Ea (1 ea)	90-Start up Operation	
D3643-2	Stiffener	1 Ea (1 ea)	90-Start up Operation	
D3644-1	Shim	2 Ea (2 ea)	90-Start up Operation	
D3657-1	Guide Tool	1 Ea (1 ea)	90-Start up Operation	
MS20426AD3-3	Rivet	32 Ea (32 ea)	90-Start up Operation	
MS20426AD4-4	Rivet	106 Ea (106 ea)	90-Start up Operation	
MS20426AD4-6	Rivet	28 Ea (28 ea)	90-Start up Operation	
MS20470AD4-6	Rivet, Universal Head	8 Ea (8 ea)	90-Start up Operation	
MS21059L3	Nut Plate	16 Ea (16 ea)	90-Start up Operation	
MS21072-L3	Nut Plate	8 Ea (8 ea)	90-Start up Operation	
MS35206-267	Screw	8 Ea (8 ea)	90-Start up Operation	
NAS1149D0363J	Washer	48 Ea (48 ea)	90-Start up Operation	
NAS1149D0963J	Washer	4 Ea (4 ea)	90-Start up Operation	

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DQA: _____ Date: _____



WORK ORDER NON-CONFORMANCE / UPDATE

QA Closed: _____ Date: _____

Work Order update only ☐

Work Order: _____ Part No. _____ NCR No. _____		DISPOSITION Rework ☐ Scrap ☐ Use-as-is ☐ Suspected Unapproved ☐		AGAINST DEPARTMENT/PROCESS Skid-tube ☐ Machining ☐ Thermoforming ☐ Large Fab ☐ Cross tube ☐ Small Fab ☐ Finishing ☐ Composite ☐ Water Jet ☐ Prod. Eng. Coord. ☐ Rec/Store/Packaging ☐ Supplier ☐ Engineering ☐ Quality ☐ Other ☐					
Date :		Step #:		QTY Effective :			MRB (QSI042) Approval Completed By Lead hand / Supervisor Approval Verification QC / QA Coordinator Approval		
Description Work Order Deviation				Disposition					
Root Cause Environment ☐ Design ☐ Doc/Data ☐ Equip/Tooling ☐ Handling/Pre ☐ Material ☐ Internal Transport ☐ Tribal Knowledge ☐ LOA ☐ Substation ☐ Past Expiry Date ☐ Misidentified ☐ No Re-verification ☐ Operator ☐ Offset/Setup ☐ Supplier ☐ Training ☐ Use for Testing ☐ Poor Information ☐ Rushing ☐ Product Improvement ☐ Process Improvement ☐ Manufacturing Process ☐ Past Due ☐		FAULT CATEGORY Pressure/Forced ☐ Bending ☐ Centre Not Concentric ☐ Cracks ☐ Crimp/Kink/Ripple/Wave ☐ Cuffs ☐ Crushing ☐ Heat Treat ☐ Wave/Twist in Tube ☐ Marks/Chatter ☐ Temperature/Cure ☐ Set-up ☐ BOM/Route ☐ Broken/Damage/Defect ☐ Inspection Incomplete/Unqualified ☐ Contamination ☐ Countersink ☐ Cut Too Short ☐ Instructions Incomplete/Unclear ☐ Drill Holes ☐ Power Loss/Surge ☐ Folio/Program ☐ Grain ☐ Weld ☐ Wrong Stock Pulled ☐ Out of Sequence ☐ Off-set ☐ Mislabeled ☐ Fit/Function ☐ Misaligned/off center ☐ Positioned Wrong ☐ Outside Dimensions ☐ Over/Under tolerance ☐ Part Incorrect ☐ Part Lost/Missing ☐ Part Moved ☐ Drawing ☐ Finish ☐ Misread ☐ Turning Sequence ☐							
		OTHER : ☐							



Dart Aerospace Ltd.
1270 Aberdeen St
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Master Unit 000364

Tel (613) 632-5200

Containers on Master Unit 000364				
Serial No	Part No	Customer Part No	Status	Quantity
S038179	ALS4-1032-130	ALS4-1032-130	Allocated	16
S038174	AN3-3A	AN3-3A	Allocated	32
S038173	AN3-6A	AN3-6A	Allocated	16
S038169	AN4-10A	AN4-10A	Allocated	4
S038168	AN970-6	AN970-6	Allocated	4
S038167	CCR264SS3-3		Allocated	16
S038160	CR3212-4-2	CR3212-4-2	Allocated	4
S038156	CR3212-5-04	CR3212-5-04	Allocated	4
S038154	CR3212-5-07	CR3212-5-07	Allocated	4
S038147	D2854		Allocated	2.666
S038145	D3578-041	D3578-041	Allocated	16
S038144	D3637-3	D3637-3	Allocated	4
S038142	D3638-1	D3638-1	Allocated	4
S038108	D3639-1	D3639-1	Allocated	1
S038103	D3639-2	D3639-2	Allocated	1
F138995	D3639-3	D3639-3	Allocated	1
S038102	D3640-1	D3640-1	Allocated	2
S038101	D3640-3	D3640-3	Allocated	2
F157251	D3641-1	D3641-1	Allocated	2
F155675	D3641-4	D3641-4	Allocated	1
S038099	D3643-1	D3643-1	Allocated	1
S038096	D3644-1	D3644-1	Allocated	2
S038095	D3657-1	D3657-1	Allocated	1
S038093	MS20426AD3-3	MS20426AD3-3	Allocated	32
S038090	MS20426AD4-4	MS20426AD4-4	Allocated	106
S038089	MS20426AD4-6	MS20426AD4-6	Allocated	28
S038087	MS20470AD4-6	MS20470AD4-6	Allocated	8
S000562	MS21059L3	MS21059L3	Allocated	11
S038085	MS21059L3	MS21059L3	Allocated	5
S038080	MS21072-L3		Allocated	8
S038074	MS35206-267	MS35206-267	Allocated	8
S038056	NAS1149D0363J	NAS1149D0363J	Allocated	48
S038053	NAS1149D0963J		Allocated	4

110
↑
D3637-041 x4 S041019
D3641-3 x1 S040904
D3642-1 x2 S040635
D3643-2 x1 S040635 S043963
D3639-4 x1 S042322
D3636-041 x4 S040634



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Master Unit 000364

Containers on Master Unit 000364				
Serial No	Part No	Customer Part No	Status	Quantity
S038179	ALS4-1032-130	ALS4-1032-130	Allocated	0
S038174	AN3-3A	AN3-3A	Allocated	24
S038173	AN3-6A	AN3-6A	Allocated	0
S038169	AN4-10A	AN4-10A	Allocated	0
S038168	AN970-6	AN970-6	Allocated	0
S038167	CCR264SS3-3		Allocated	0
S038160	CR3212-4-2	CR3212-4-2	Allocated	0
S038156	CR3212-5-04	CR3212-5-04	Allocated	0
S038154	CR3212-5-07	CR3212-5-07	Allocated	0
S038147	D2854		Allocated	0
S038145	D3578-041	D3578-041	Allocated	0
S041019	D3637-041	D3637-041	Allocated	4
S038144	D3637-3	D3637-3	Allocated	0
S038142	D3638-1	D3638-1	Allocated	0
S038108	D3639-1	D3639-1	Allocated	0
S038103	D3639-2	D3639-2	Allocated	0
F138995	D3639-3	D3639-3	Allocated	0
S042322	D3639-4	D3639-4	Allocated	8
S038102	D3640-1	D3640-1	Allocated	0
S038101	D3640-3	D3640-3	Allocated	0
F157251	D3641-1	D3641-1	Allocated	0
S040904	D3641-3	D3641-3	Allocated	1
F155675	D3641-4	D3641-4	Allocated	0
S038099	D3643-1	D3643-1	Allocated	0
S043963	D3643-2	D3643-2	Allocated	1
S038096	D3644-1	D3644-1	Allocated	0
S038095	D3657-1	D3657-1	Allocated	0
S038093	MS20426AD3-3	MS20426AD3-3	Allocated	0
S038090	MS20426AD4-4	MS20426AD4-4	Allocated	0
S038089	MS20426AD4-6	MS20426AD4-6	Allocated	0
S038087	MS20470AD4-6	MS20470AD4-6	Allocated	0
S000562	MS21059L3	MS21059L3	Allocated	0
S038085	MS21059L3	MS21059L3	Allocated	0

S038080	MS21072-L3		Allocated	0
S038074	MS35206-267	MS35206-267	Allocated	0
S038056	NAS1149D0363J	NAS1149D0363J	Allocated	6
S038053	NAS1149D0963J		Allocated	0

5.0 PARTS LISTS

QTY -011	Dart Part Number	Geneva Part Number	Description
X	D350-764-011	P131	Shoulder Harness Kit
4	D2854-1-080	N/A	VELCRO STRIP
4	D2854-3-080	N/A	VELCRO STRIP
16	D3578-041	N/A	DOUBLER
4	D3636-041	N/A	SHOULDER HARNESS
4	*D3636-11	G10601-2	SHOULDER BELT
4	*D3636-13	G10601-4	LAP BELT
4	D3637-041	G10602-1	BRACKET ASSEMBLY
4	D3637-3	G10609-1	BACKER PLATE
4	D3638-1	G10608-2	BUSHING
1	D3639-1	G10604-3	DOUBLER
1	D3639-2	G10604-6	DOUBLER
1	D3639-3	G10604-4	DOUBLER
1	D3639-4	G10604-5	DOUBLER
2	D3640-1	G10605-1	BELT GUIDE
2	D3640-3	G10605-2	BELT GUIDE
2	D3641-1	G10606-3/-6	COVER
1	D3641-3	G10606-5	COVER
1	D3641-4	G10606-4	COVER
2	D3642-1	G10607-1/-2	DOUBLER
1	D3643-1	G10610-2	STIFFENER
1	D3643-2	G10610-1	STIFFENER
2	D3644-1	G10610-3	SHIM
1	D3657-1	G12170	GUIDE TOOL
16	ALS4-1032-130	N/A	INSERT
32	AN3-3A	N/A	BOLT
16	AN3-6A	N/A	BOLT
4	AN4-10A	N/A	BOLT
48	AN960JD10	N/A	WASHER
4	AN960JD916	N/A	WASHER
4	AN970-6	N/A	WASHER
16	CCR264SS-3-03	N/A	RIVET
4	CR3212-4-02	N/A	RIVET
4	CR3212-5-04	N/A	RIVET
4	CR3212-5-07	N/A	RIVET
32	MS20426AD3-3	N/A	RIVET
106	MS20426AD4-4	N/A	RIVET
28	MS20426AD4-6	N/A	RIVET
8	MS20470AD4-6	N/A	RIVET
16	MS21059L3	N/A	NUTPLATE (OR MS21059-3)
8	MS21072L3	N/A	NUTPLATE (OR MS21072-3)
8	MS35206-267	N/A	SCREW

*Included with D3636-041

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Revision: B

Date: 07.10.16